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## CLAIM AMENDMENTS

in order to retard and/or ameliorate the deterioration or promote the restoration and preservation of normal cell functions comprising administering to a maximal in need thereof a pharmaceutical composition containing as an active ingredient thereof a salt of an alpha-ketocarboxylic acid having the formula R-C(0)(CO)OM wherein R is alkyl of 1 to 12 carbon atoms; substituted alkyl of 1 to 12 carbon atoms, cyloalkyl of 3 to 10 carbon atoms, alkenyl of 2 to 6 carbon atoms; alkynyl of 3 to 6 carbon atoms; beazyl; substituted benzyl (wherein the substituent is methyl, phenyl on the alpha carbon atom or the substituent is methyl, dimethyl, halo, dibalo, or ethoxy on the phenyl ring); adamantyl; phenyl; naphthyl; substituted phenyl or substituted napthyl (wherein the ring is mono, di-, or trisubstituted and the substitutents are alkyl of 1 to 4 carbon atoms, halo, alkoxy of 1 to 4 carbon atoms, phenoxy, trihalomethyl, dimethylamino, diethylamino, and M is a cation alone or in combination with nicatinemide, and creatine

2(Original): The method in accordance with Claim 1 wherein said cation is an alkali or alkaline carth metal.

3(Original): The method in accordance with Claim 2 wherein the alkali metal is sodium.

4(Original): The method in accordance with Claim 3 wherein R is an alkyl group containing 1

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to 12 carlon atoms.

5(Original): The method in accordance with Claim 4 wherein the alkyl group is methyl.

The method of Claim 1 wherein the patient is suffering from diseases and/or 6 (Original): ailments from the group consisting of: viral infections; becterial infections; fungal infections, parasitic infections and more specific diseases and/or ailments; such as as, AIDS; allzheimer's dementia; angiogenesis diseases; aphthous ulcers in AIDS patients; asthma; aropic dermatitis; psoriasis; basal cell carcinoma; benign prostatic hypertrophy; blood substitute; blood substitute in surgery patients; blood substitute in trauma patients; breast cancer; cutaneous & metastatic; cachexia in AIDS; campylobacter infection; cancer; pnemonia; sexually transmitted diseases (STDs); cancer; viral diseases; candida albicians in AIDS and cancer; candidiasis in HIV infection; pain in cancer; pancreatic cancer; parkinson's disease; pentumoral brain edema; postoperative adhesions (prevent); proliferative diseases; prostate cancer, ragweed allergy; renal disease; restenosis; rheumatoid arthritis; allergies; rotavirus; infection scalp psoriasis; septic shock; small-cell lung cancer, solid tumors; stroke; thrombosis; type I diabetes; type I diabetes w/ kidney transplants; type II diabetes; viseral leighmaniasis; malaria; periodontal or gum disease; cardiac rhythm disorders; central nervous system diseases; central nervous system disorders; cervical dystoma (spasmodic torticollis); choridal neovascularization; chronic hepatitis A, B and C; colitis associated with antibiotics; colorectal cancer; coronary artery thrombosis; crytosponitiosis in AIDS; cryptosponidium parvum diarrhea in AIDS; cystic fibrosis;

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cytomegalovirus disease; depression; social phobias; panic disorder, disbetic complications; diabetic eye disease; diarrhea associated with antibiotics; erectile dysfunction; genital horpes; graft-vs host disease in transplant patients; growth hormone neutralization after cardiac bypass; hepatocellular carcinoma; HIV; HIV infection. Huntington's disease; CNS diseases; hypercholesterolemia; hypertension; inflammation; inflammation and angiogensis; inflammation in cardiopulmonary bypass; in fluenza; migraine head ache; interstitial cystitis; contagiosum in AIDS; multiple solerosis; neoplastic meningitis from solid tumors; non-small cell lung cancer; organ transplant rejection; osteoarthritis; rheumatoid arthritis; osteoporosis; drug addicition; shock; ovarian cancer, Amebiasis; Babesiasis; Chagas' disease (Trypanosoma cruzi) Cryptosporidiosis; Cysticercosis; Fascioliasis; Filariasis; Echinococcosis; Giardiasis; Leishmaniasis; Malaria; Paragonimiasis; Pneumocystosis; Schistosomiasis; Strongylodiasis; Toxocariasis; Toxoplasmosis; Trichinellesis; Trichomoniasis; yeast infection; stomach ulcers, sickle cell disease, obesity, burn wounds, skin cancer, skin burn, pulmonary disease, alzheimer's disease, heart disease, juvenile theumatoid arthritis, scleroderma, bad breath, body odor, asthma, pulmonary diseases, enteric diseases, reflux, temporomandibular joint dysfunction, gallstones, cerebral palsy, prostate cancer, motion sickness, kidney stones, Lou Gerhig disease, infertility, erectile dysfunction, food poisoning, and pain, and combinations thereof.

7 (Currently Amended): A method for enhancing the phosphorylation potential within the cells of a mammal in order to retard and/or ameliorate the deterioration or promote the restoration and

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preservation of normal cell functions comprising perfusion of a mammalian organ in need thereof with pharmaceutical composition containing as an active ingredient thereof a salt of an alpha-ketocarboxylic acid having the formula R-C(0)(CO)OM wherein R is alkyl of I to 12 carison atoms; substituted alkyl of 1 to 12 carbon atoms, cyloalkyl of 3 to 10 carbon atoms, alkenyl of 2 to 6 carbon atoms; alkynyl of 3 to 6 carbon atoms; benzyl; substituted benzyl (wherein the substituent is methyl, phenyl on the alpha carbon atom or the substituent is methyl, dimethyl, halo, dibalo, or ethoxy on the phenyl ring); adamantyl; phenyl; maphthyl; substituted phenyl or substituted napthyl (wherein the ring is mono-, di-, or trisubstituted and the substitutents are alkyl of 1 to 4 carbon atoms, halo, alkoxy of I to 4 carbon atoms, phenoxy, trihalomethyl, dimethylamino, diethylamino, and M is a cation alone or in combination with nicatinamide, creatine and/or an amino acid.

8(Original): The method in accordance with Claim 7 wherein said mammalian organ is selected from the group comprising heart, liver, kidney, brain, spleen vessels, arteries, endothelium, pancreas and glands.

9 (Currently Amended): A method for enhancing the phosphorylation potential within the cells of a mammal in order to retard and/or ameliorate the deterioration or promote the restoration and preservation of normal cell functions thereby enhancing physical endurance or refreshment comprising administering to a mammal in need thereof a food product containing a pharmaceutical composition having as an active ingredient thereof a salt of an alpha-ketocarboxylic acid having the formula R-C(0)(CO)OM wherein R is alkyl of I to 12 carbon atoms; substituted alkyl of 1 to 12 carbon atoms, cyloalkyl of 3 to 10 carbon

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atoms, alk enryl of 2 to 6 carbon atoms; alkynyl of 3 to 6 carbon atoms; benzyl; substituted benzyl (wherein the substituent is methyl, phenyl on the alpha carbon atom or the substituent is methyl, dimethyl, halo, dihalo, or ethoxy on the phenyl ring); adamantyl; phenyl; naphthyl; substituted phenyl or substituted napthyl (wherein the ring is mono-,di-, or trisubstituted and the substitutents are alkyl of 1 to 4 carbon storms, halo, alkoxy of 1 to 4 carbon aroms, phenoxy, tribalomethyl, dimethylamino, diethylamino, and M is a cation alone or in combination with nicatinamide, creatine and/or an aminoacid.

10(Original): The swithod in accordance with Claim 9 wherein said food product is a beverage drink.

The method in accordance with Claim 10 wherein said food product comprises rice, 11'Original): meat, bread, pasta, fish, fruit, poultry, vegetables and a confectionery food.

12(Original): The method in accordance with Claim 11 wherein said food product is selected from the group comprising candies and pastries.

13(Currently Amended): A composition of matter for enhancing the phosphorylation potential within the cells of a mammal or a biological system in order to retard and/or ameliorate the deterioration or promote the restoration and preservation of normal cell functions comprising a therapeutically effective amount of a salt of an alpha-ketocarboxylic acid baving the formula R-C(0)(CO)OM wherein R is alkyl of 1 to 12 carbon atoms; substituted alkyl of 1 to 12 carbon atoms, cyloalkyl of 3 to 10 carbon atoms, alkenyl of 2 to 6 carbon atoms; alkynyl of 3 to 6 carbon atoms; benzyl; substituted benzyl (wherein the substituent is

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methyl, phenyl on the alpha carbon atom or the substituent is methyl, dimethyl, halo, dihalo, or othoxy on the phonyl ring); adamantyl; phonyl; naphthyl; substituted phonyl or substituted napthyl (wherein the ring is mono-, di-, or trisubstituted and the substitutents are alkyl of 1 to 4 carbon atoms, halo, alkoxy of 1 to 4 carbon atoms, phenoxy, tribalomethyl, dimethylamino, diethylamino, and M is a cation alone or in combination with nicetinamide and creatine.

14(Original): A composition according to Claim 13 wherein said salt of an alpha-ketocarboxylic acid is present in combination with nicatinamide, creatine and/or an aminoacid.

15(Currently Amended): A food product for enhancing the phosphorylation potential within the cells of a managed in order to retard and/or ameliorate the deterioration or promote the restoration and preservation of normal cell functions thereby enhancing physical endurance or refreshment comprising a pharmaceutical composition having as an active ingredient thereof a salt of an alpha-ketocarboxylic acid having the formula R-C(0)(CO)OM wherein R is alkyl of 1 to 12 carbon atoms; substituted alkyl of 1 to 12 carbon atoms, cyloalkyl of 3 to 10 carbon atoms, alkenyl of 2 to 6 carbon atoms; alkynyl of 3 to 6 carbon atoms; benzyl; substituted benzyl (wherein the substituent is methyl, phenyl on the alpha carbon atom or the substituent is methyl, dimethyl, halo, dihalo, or effecty on the phenyl ring); adamantyl; phenyl; naphthyl; substituted phenyl or substituted napthyl (wherein the ring is mono-, di-, or trisubstituted and the substitutents are alkyl of 1 to 4 carbon atoms, halo, alkoxy of I to 4 carbon atoms, phenoxy, trihelomethyi, dimethylamino, diethylamino, and M is a cation alone or in combination with

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nicatinamide, creatine and/or an aminoacid.

16(Original): The food product in accordance with Claim 15 wherein said food product is a beverage drink.

17(Original): The fixed product in accordance with Claim 15 wherein said food product comprises meat, bread, pasta, fish, fruit, poultry, vegetables and a confectionery food.

18(Original): The fixed product in accordance with Claim 15 wherein said food product is selected from the group comprising candies and pastries

19(New): A method in accordance with Claim 1, wherein the composition is a parenteral fluid.